

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2004/001349

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65G 17/20, B65G 47/64  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4936222 A (MURAI), 26 June 1990 (26.06.1990), column 2, line 41 - column 3, line 12, figure 2	1,2,9
Y	column 2, line 41 - column 3, line 12 --	6
X	DE 19517832 C1 (MANNESMANN AG), 5 December 1996 (05.12.1996), figure 1	1,2,9
Y	figure 1 --	6
Y	US 3759190 A (HARVEY), 18 Sept 1973 (18.09.1973), figures 1,2, abstract --	6

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search	Date of mailing of the international search report
12 January 2005	13-01-2005

Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer  Ann Börjeson/EK Telephone No. +46 8 782 25 00
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**INTERNATIONAL SEARCH REPORT**

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PCT/SE 2004/001349

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SU 854825 B (CONVEYOR CONS DES), 17 August 1981 (17.08.1981), figure 1  --	1-10
A	US 5829575 A (WILLIAMS), 3 November 1998 (03.11.1998), column 2, line 36 - column 3, line 22, figures 1-2  -- -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

27/11/2004

International application No.

PCT/SE 2004/001349

US	4936222	A	26/06/1990	JP	1139410	A	31/05/1989
				JP	1964682	C	25/08/1995
				JP	6084205	B	26/10/1994
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DE	19517832	C1	05/12/1996	NONE			
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US	3759190	A	18/09/1973	NONE			
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SU	854825	B	17/08/1981	NONE			
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US	5829575	A	03/11/1998	NONE			
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